

Application Number 10/519,142

Filing Date	December 27, 2004
--------------------	--------------------------

(use as many sheets as necessary)

First Named Inventor	Henrik JENSEN et al.
-----------------------------	-----------------------------

Art Unit	TBA
-----------------	------------

Examiner Name	TBA
----------------------	------------

Sheet 1 of 4

Attorney Docket Number	55320.000401
-------------------------------	---------------------

U.S. PATENT DOCUMENTS

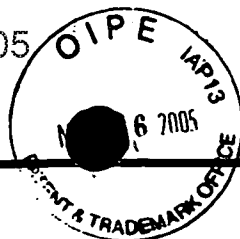
[illegible]

EXAMINER SIGNATURE /Jennifer Smith/

DATE CONSIDERED 02/11/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Receipt date: 11/16/2005



10519142 - GAU: 1793

PTO/SB/08A (08/03) (modified)

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT


(use as many sheets as necessary)

Application Number	10/519,142
Filing Date	December 27, 2004
First Named Inventor	Henrik JENSEN et al.
Art Unit	TBA
Examiner Name	TBA

Sheet 2 of 4

Attorney Docket Number 55320.000401

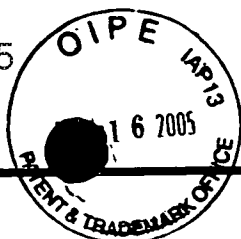
FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code Number-Kind Code (if known)					YES	NO
/J.S./	15	WO	01/00530	01-04-2001	Duyvesteyn et al.		<input type="checkbox"/>	<input type="checkbox"/>
	16	WO	01/12555	02-22-2001	Duyvesteyn et al.		<input type="checkbox"/>	<input type="checkbox"/>
	17	WO	02/20396	03-14-2002	Spitler et al.		<input type="checkbox"/>	<input type="checkbox"/>
	18	WO	01/94276	12-13-2001	Tillotson et al.		<input type="checkbox"/>	<input type="checkbox"/>
	19	WO	01/70631	09-27-2001	Maier et al.		<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/>
	20	CN	1 364 833	08-21-2002	Lian et al.		<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/>
	21	CN	1 310 208	08-29-2001	Yu		<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/>
	22	CN	1 386 708	12-25-2002	Ailin et al.		<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/>
	23	JP	2001 104 797				<input type="checkbox"/>	<input type="checkbox"/>
	24	CN	1 401 575	03-12-2003	Hongde		<input checked="" type="checkbox"/> Abstract	<input type="checkbox"/>
	25	GB	663,845	12-30-1949			<input type="checkbox"/>	<input type="checkbox"/>
	26	EP	0 402 405	12-15-1993	Andersen		<input type="checkbox"/>	<input type="checkbox"/>
	27	WO	2004/001278	12-31-2003	Jensen et al.		<input type="checkbox"/>	<input type="checkbox"/>
	28	EP	1 157 741	11-28-2001	Murasawa et al.		<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

EXAMINER SIGNATURE /Jennifer Smith/

DATE CONSIDERED 02/11/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	10/519,142
Filing Date	December 27, 2004
First Named Inventor	Henrik JENSEN et al.
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	55320.000401

Sheet 3 of 4

OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
/J.S./	29	Huisman, Carolien L. et al, "Preparation of a Nanostructured Composite of Titanium Dioxide and Polythiophene: New Routes Towards 3D Heterojunction Solar Cells", Laboratory for Inorganic Chemistry, Faculty of Applied Sciences, Delft University of Technology, Julianalaan 136, 2628 BL Delft, The Netherlands.		
/J.S./	30	Kalaji, M., www.chemsoc.org, "Fifth International Conference on Materials Chemistry, Photoactive TiO2 nanostructured colloidal particles and thin films prepared by surfactant templating", chemsoc, Department of Chemistry, University of Wales Bangor, UK		
/J.S./	31	www.businessinvestor.com, Altair Nanotechnologies, Inc.		
/J.S./	32	Kemira, Reflections, Customer Newsletter 2-2001		
/J.S./	33	Loy, Douglas A. et al, "Direct Formation of Aerogels by Sol-Gel Polymerizations of Alkoxysilanes in Supercritical Carbon Dioxide", Chem. Mater., 1997, Vol. 9, No. 11, 2264-2268		
/J.S./	34	Kendall, Jonathan L. et al., "Polymerizations in Supercritical Carbon Dioxide," Chemical Reviews 1999, Vol. 99, No. 2, 543-563		
/J.S./	35	Schaumburg, Kjeld, "Supercritical Solvents for Preparation of Nanoparticles, sustainable technologies for the synthesis and compounding of functional nanoparticles", University of Copenhagen		
/J.S./	36	www.kemira.com/pigments, Kemira, Product Data sheet, Kemira An and Preliminary Data Sheet for AXX		
/J.S./	37	www.kemira.com/pigments/titanium_in_brief/titanium.html, "Titanium and titanium dioxide in brief", Sulphate process; Chloride process; Main technical properties of TiO2 pigments		
/J.S./	38	www.toto.co.jp/hydro_e/hydro_el.htm, "Super-hydrophilic photocatalyst and its applications", TOTO Ltd., Photocatalyst Business Division (7 pages)		
/J.S./	39	www.kronosorders.com/khome.nsf, TiO2, Company History, History of our TiO2 products		
/J.S./	40	www.bikek.com.tw/titanium.htm, "BikTek Bicycle Industrial Know How & Technology", Titanium Technical Services. Web Site.		

/J.S./	41	Paul D. Moran, John Bartlett, Graham A. Bowmaker, James L. Boffrey, Ralph P. Cooney, "Formation of TiO_2 Sols, Gels and Nanopowders from Hydrolysis of $Ti(OPr)_4$ in AOT Reverse Micelles", Journal of Sol-Gel Science and Technology 15, 251-262, 1999		
/J.S./	42	B. D. Stojanovic, Z. V. Marinkovic, G. O. Brankovic and E. Fridancevska, "Evaluation of Kinetic Data for Crystallization of TiO_2 prepared by Hydrolysis Method", Jour. of Thermal Analysis and Calorimetry, Vol. 60, 595-604, 2000		
/J.S./	43	S. Yoda et al., "Adsorption and Photocatalytic Decomposition of Benzene Using Silica-Titania and Titania Aerogels: Effect of Supercritical Drying", Journal of Sol-Gel Science and Technology 22, 75-81, 2001		
/J.S./	44	E. Reverchon et al., "Synthesis of titanium hydroxide nanoparticles in supercritical carbon dioxide on the pilot scale", J. of Supercritical Fluids 00 (2002) 1-9		
/J.S./	45	Jennifer Jung and Michel Perrut, "Particle design using supercritical fluids: Literature and patent survey", Journal of Supercritical fluids 20 (2001) 179-219		
/J.S./	46	Y. Fukushima, "Application of Supercritical Fluids", R&D review of Toyota CRDL, Vol. 35, No. 1		
/J.S./	47	S. V. Manorama et al., "Photostabilization of dye on anatase titania nanoparticles polymer capping", Journal of Physics and Chemistry of Solids, 2002, Vol. 63, No. 1, 135-143		
/J.S./	48	Chhor, K. et al., "Syntheses of submicron TiO_2 powders in vapor, liquid and supercritical phases, a comparative study", Materials Chemistry and Physics, 32 (1992) 249-254		
/J.S./	49	G. D. Brown and J. J. Watkins, "Carbon Dioxide - Dilated Block Copolymer Templates for Nanostructured Materials", Mat. Res. Soc. Symp. Proc. Vol. 584, Materials Research Society 2000, pp 169-174		
/J.S./	50	F. Miyaji et al., "Transition Metal Oxide Tubes Synthesized by Using Ammonium Tartrate Crystal Template", Journal of the Ceramic Society of Japan, 109 [11] 924-928 (2001)		
/J.S./	51	N. Uekawa et al., "Low Temperature Synthesis and Characterization of Porous Anatase TiO_2 Nanoparticles", Journal of Colloid and interface Science 250, 285290 (2002)		
/J.S./	52	G. Beaucage and D. W. Schaefer, "Structural Studies of Complex Systems Using Small Angle Scattering: a unified Guinier/power law approach", Journal of Non-Crystalline Solids 172-174: 797-805 (1994)		
/J.S./	53	J. F. Porter et al., "The effect of calcination on the microstructural characteristics and photoreactivity of degussa P-25 TiO_2 ", J. Mat. Sci. 34: 1523-1531 (1999)		
/J.S./	54	O. Robbe et al., "Synthesis of Fine Ceramic Oxide Particles By The Sol-Gel Process in Supercritical CO_2 "		
/J.S./	55	Reddy et al., "Preparation, Characterization, and Spectral Studies on Nanocrystalline Anatase TiO_2 sub 2", Journal of Solid State Chemistry, Vol. 158 Issue.2, 180-186 (2001)		

EXAMINER SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Jennifer Smith/

02/11/2009